



Philips Xenium W832 Teardown

In 2012, Philips announced the Xenium 832, a low-cost, smartphone with great build quality. Let's see what's inside in this smartphone.

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INTRODUCTION

Using this guide you will be able to take part and build back the Philips Xenium W832 smartphone, so you can replace any parts along the way.

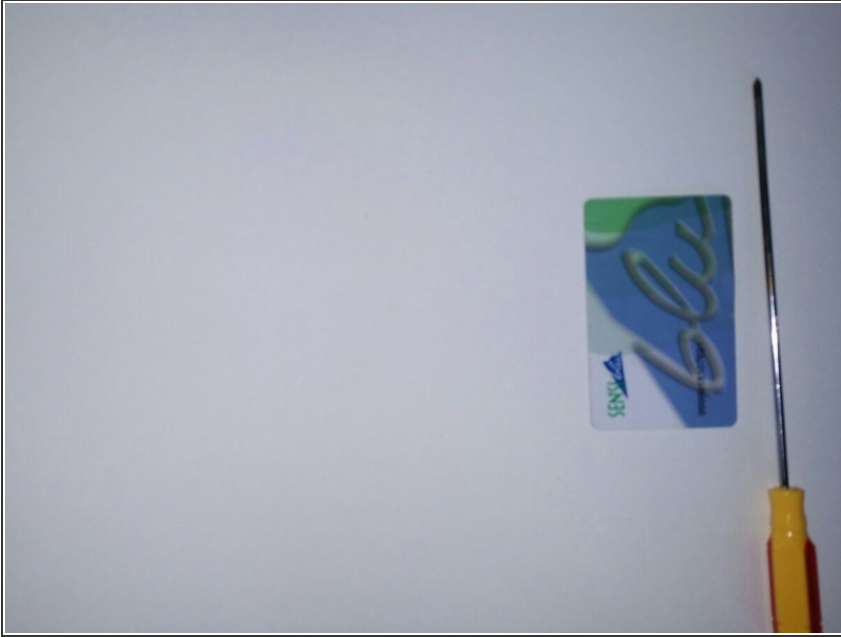


TOOLS:

- [Phillips #1 Screwdriver](#) (1)
- [Plastic Cards](#) (1)

If you do not have a plastic card, you can use a credit card.

Step 1 — Prepare your work area



- ⚠ Make sure your workspace is clean. You might need to separate the screen from the digitizer, and you do not want dust getting in between the two.
- Make sure you have all the tools you need. No adhesives are used in this phone, but do not try to improvise; things like using a knife as a screwdriver: you might damage your device.

Step 2 — Opening the phone



- Remove the battery cover, and the battery. Also you will need to remove the SD and SIM cards.
 - There are 9 screws around the edges of the phone that you will need to remove. Make sure to label them, and keep them somewhere safe.
- ⚠ Removing any screw will most likely void your warranty.
- ⓘ This phone has two screws missing. Someone serviced this badly. You will have 9 screws.

Step 3 — Removing the back cover



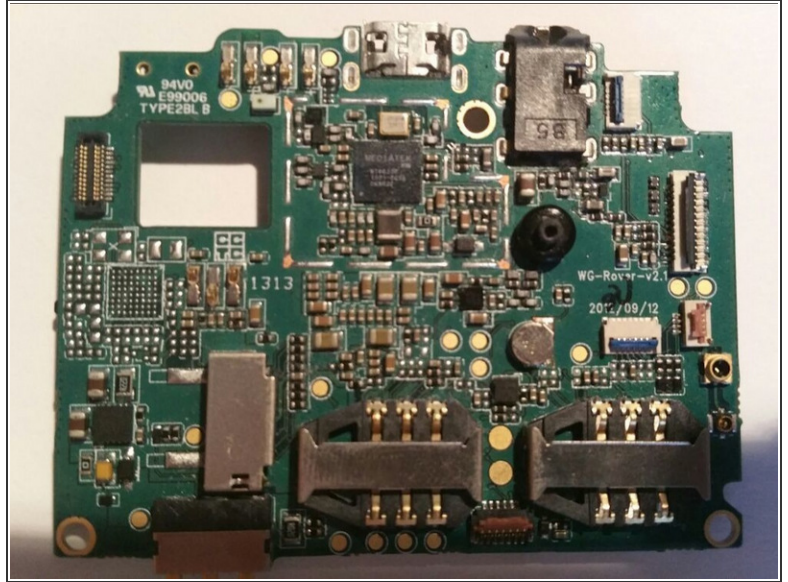
- Use your plastic card to release the clips and separate the plastic cover from the metal frame.
 - It's best to start by the Power Saving Switch, and move along the edges.
- ⚠ Do not insert the card too deep, as you risk damaging some cables.

Step 4 — Inside the phone



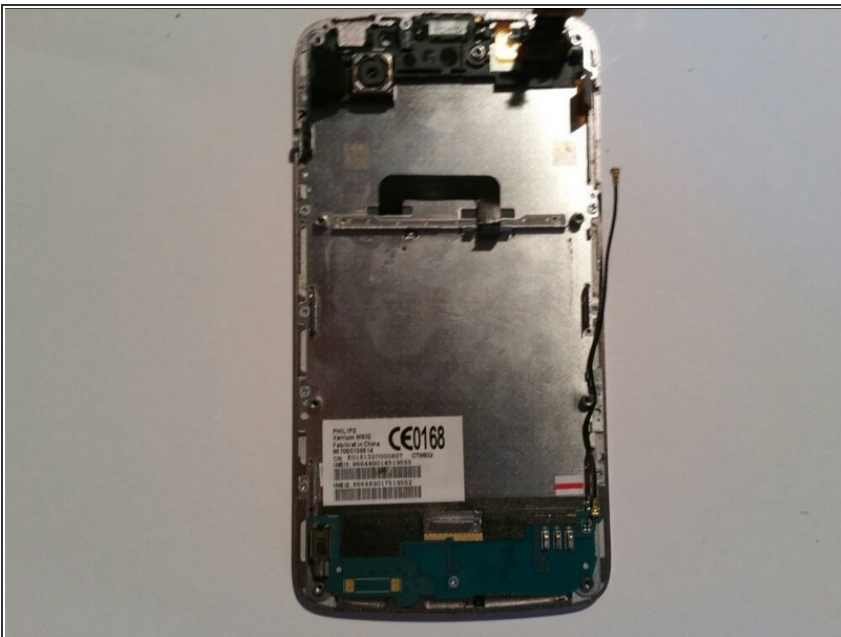
- Gently lift the back cover away from the phone. Do not worry if the buttons fall out, you can easily put them back later.
 - In order to remove the logic board, start disconnecting any cable from the board.
- ✦ Be careful: the ribbon cables are fragile. Do not hurry. You need to remove every single one in order to be able to lift the board out. Start with the big, black camera connector, as the camera is not mounted on the logic board, but on the shielding underneath it.

Step 5 — Removing the logic board



- After all cables have been released we can remove the logic board, by gently prying it up with our card.
- Make sure all cables have been released before removing the board from the frame.

Step 6 — More disconnecting



- Remove the black antenna cable from the phone.
- Just keep removing any screw you see. There will be 10 in total.
- ☑ Keep your screws labeled and safe.

Step 7 — Remove the metal shielding



- You can just grab it by the clips on the side, or pry it apart with your card.
- You may now replace the earpiece.
- ⓘ It's best to lift the shield by the top part.

Step 8 — Display and digitiser



- You may now replace the display or the digitizer.
- ⚠ Try not to get any dust on the display or on the digitizer.
- The display is fragile. Handle it carefully.
- ⚠ If your glass and/or display are cracked, you may encounter shards of glass. Be really careful not to cut yourself. Use a pair of gloves for this step if you have a shattered digitiser or display.

Step 9 — End



REPAIRABILITY SCORE:



- We've come to the end of our teardown, so it's time to talk repairability:
- Philips Xenium W832 Repairability Score: 9 out of 10 (10 is easiest to repair)
 - There are no adhesives used inside the phone.
 - Components are modular, making replacing a faulty component straight forward.
 - Only standard Phillips screws are used.
 - There are a lot of cables that might get damaged when you put the phone back together, and forgetting to route one cable through it's hole can cause major headaches.

To reassemble your device, follow these instructions in reverse order.

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